**Informatics Unit 3**

**SAT – Criteria 3**

**Acquisition of data**

Requirements regarding acquisition of data:

* Multiple sets of complex data.
* Use of different types of data (text, numbers, sound, images – moving & still).
* Use of primary & secondary data.
* Use of qualitative & quantitative data.
* Use of appropriate methods of acquisition

**Explain how you have met the above requirements.**

Throughout the collection of data for this solution I have acquired multiple sets of complex data, most of my data collected is string due my hypothesis not having a lot of statistical research. The primary data for this was collected through an online google form where I got a variety of response both quantitative and qualitative data. My secondary data was collected with this use of the internet mostly collecting qualitative data with some quantitative data.

**Referencing of data**

Use of a standard referencing system for each data source and acquisition method is shown. Use of all intellectual property is acknowledged. (see APA method on p 110)

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| --- | --- | --- | --- | --- | --- |
| **Author** | **Year of published** | **Title of webpage** | **Name of organisation** | **Date of access** | **URL** |
| Allison Hydzik-Pittsburgh | 1/26/2016 | Society and culture | Futurity | 3/4/17 | <http://www.futurity.org/social-media-sleep-1095922/> |
| [Michael J. Breus](http://www.huffingtonpost.com/author/dr-michael-j-breus) | 2/2/17 | Sleep + Wellness | Huff Post | 4/4/17 | <http://www.huffingtonpost.com/dr-michael-j-breus/tweeting-not-sleeping-what-is-your-social-mediasleep-balance_b_9103468.html> |
| [Alex DiRenzo](https://sysomos.com/author/adirenzo/) | 27/10/16 | How Can Social Media Affect Your Health ? | Sysomos | 4/4/17 | <https://sysomos.com/2016/10/27/can-social-media-affect-health/> |
| Agata Blaszczak-Boxe | 11/9/15 | Social Media Use in Teens Linked to Poor Sleep, Anxiety | Live Science | 11/4/17 | <http://www.livescience.com/52148-social-media-teen-sleep-anxiety.html> |

**Validation of data**

All data needs to be validated using appropriate electronic or manual techniques to enhance the integrity of the dataset.

**Explain how you have met the above requirement.**

I have been using validation on all of the data I have been collecting using a variety of techniques to ensure the integrity of my data set. Some on the techniques I use were Range Checking, this ensures that data is written in its acceptable limits so there’s no unrealistic data in the primary data I have collected. Type Checks, making sure that data enter in surveys are the correct data type and Existence checks which I have use to ensure that people answer every question in my survey so there’s an equal amount if data to answer all requirements.

My Survey

<https://docs.google.com/forms/d/e/1FAIpQLScWUFCm8m35CjmgtIHByVifzmHM7DlDidYez_8uxFEUh06_A/viewform?usp=sf_link>